

### ABSTRACT

A method for the generation of an image on a selectable part of the retina of a viewer's eye, to form an ocular image on the retina. The method includes the step  
5 of receiving an image being composed of a number of image elements that correspond to the number of cone photoreceptors of a viewer's fovea, so as to constitute a received image. The method further includes the step of displaying the received image so as to constitute a displayed image. The method further includes the step of projecting the displayed image onto a viewer's fovea area, so  
10 as to constitute a foveal image, such that a number of image elements of the foveal image corresponds to the number of cone photoreceptors of the viewer's fovea. The method further includes the step of projecting said displayed image onto a viewer's retina so as to constitute a retinal image.